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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION

SAVINGS BLDG.

HELENA, MONTANA

Vol. XVII, No. 12 HELENA INDEPENDENT-RECORD HELENA, MONTANA **December, 1969**

Production of crude oil and condensate from the oil and gas areas of Montana for the month of December, 1969, averaged 113,157 barrels daily, a decrease of 2,023 barrels from the average November production of 115,180.

The nine refineries in the state processed 115,741 barrels of crude oil daily for the month of December, 1969, a decrease of 3,032 barrels from the 118,773 barrels processed daily during the month of November, 1969.

During December 65 wells were completed, 6 oil, 9 gas and 50 dry holes.

During December the commission issued 102 permits to drill new wells, an increase of 15 from the 87 permits issued during November.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA MONTH OF DECEMBER, 1969

IN STORAGE DECEMBER 1st	
By Producers	361,936
By Transporters	1,202,364
By Refiners	690,284
TOTAL STORAGE	2,254,584
Produced in Montana During Month	3,507,873
Imported During Month	2,841,681
TOTALS	8,604,138
DISPOSITION:	
Refined in Montana	3,587,989
Exported	2,687,707
Used for Fuel or Lost	8,700
TOTAL	6,284,396
IN STORAGE DECEMBER 31st	
By Producers	351,210
By Transporters	1,237,355
By Refiners	731,177
TOTAL STORAGE	2,319,742

NATURAL GAS WITHDRAWALS IN MONTANA

Month of December, 1969

Field	M. Cu. Ft.
Bears Den	0
Bell Creek	710,581
Big Coulee	127,182
Blackjack	88,914
Box Elder	0
Bowdoin	240,180
Bowes	37,045
Cabin Creek	108,626
Cedar Creek	839,615
Clarks Fork South	8,705
Cut Bank (Including Reagan)	678,938
Devon	0
Dry Creek	49,079
Elk Basin	108,956
Flat Coulee	19,368
Gold Butte	6,530
Golden Dome	0
Grandview	73,002
Hardin	1,428
Keith Block	147,666
Kevin Sunburst	78,492
Lake Basin	105,770
Middle Butte	3,980
Mt. Lilly	42,128
Pine	60,108
Plevna	3,549
Squaw Coulee	75,007
Tiger Ridge	50,276
Utopia	86,158
Whitlash	96,555
Miscellaneous	250,935
TOTAL	4,098,773

Total withdrawals for December, 1968 were 4,478,653.

PRODUCERS REPORT—MONTH OF DECEMBER, 1969

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
3	Ash Creek	3	469	2,671	----------	2,609	----------	531
2	Bannatyne	2	566	378	----------	----------	----------	944
1	Bascom	1	218	28	----------	----------	----------	246
5	Bear's Den	5	1,812	1,248	----------	1,817	----------	1,243
81	Bell Creek	385	58,605	937,055	931,767	----------	1,142	62,751
1	Benrud	1	688	753	879	----------	----------	562
2	Benrud East	2	1,782	15,305	15,885	----------	----------	1,202
1	Benrud Northeast	1	1,058	3,567	3,924	----------	----------	701
1	Berthelote	1	497	208	215	----------	----------	490
5	Big Wall	16	838	12,733	12,884	----------	----------	687
4	Blackfoot	7	1,337	2,724	2,588	----------	----------	1,473
5	Border	5	526	985	----------	1,068	----------	443
1	Bowes	51	2,644	12,185	12,409	----------	----------	2,420
1	Bradley	1	320	653	409	----------	----------	564
1	Brady	1	296	61	61	----------	----------	296
3	Brorson-Madison	3	1,160	5,525	6,075	----------	----------	610
7	Brorson-Red River	7	6,347	50,762	----------	50,944	----------	6,165
3	Brorson-Red River South	3	4,047	14,686	----------	15,769	----------	2,964
2	Cabin Creek	98	----------	309,662	309,662	----------	----------	----------
11	Cat Creek	62	2,669	17,270	16,319	1,284	----------	2,336
1	Clark's Fork	1	146	1	----------	134	----------	13
1	Clark's Fork South	1	307	1,510	----------	1,200	----------	617
3	Conrad South	3	662	1,152	1,152	----------	----------	662
1	Cow Creek	1	161	1,220	1,075	----------	----------	306
2	Cupton	2	1,146	3,143	----------	2,190	----------	2,099
126	Cut Bank	839	62,080	428,934	434,111	----------	108	56,795
2	Deer Creek	2	1,061	2,038	2,453	----------	----------	646
1	Delphia	1	478	320	----------	410	----------	388
-	Devil's Basin	----------	688	----------	----------	----------	----------	688
1	Dwyer	12	4,380	19,180	18,939	----------	----------	4,621
4	Elk Basin	61	1,600	190,020	190,094	----------	----------	1,526
5	Elk Basin Northwest	14	8,565	19,740	19,837	----------	----------	8,468
9	Fairview	10	8,118	53,761	53,927	----------	----------	7,952
2	Fertile Prairie	2	684	1,439	1,435	----------	----------	688
9	Flat Coulee	27	6,213	11,888	12,812	----------	----------	5,289
39	Flat Lake	60	7,870	63,769	63,939	----------	----------	7,700
4	Flat Lake South	4	854	7,766	7,395	----------	----------	1,225
22	Fred & George Creek	43	3,232	39,955	38,570	----------	----------	4,617
1	Gage	1	436	183	----------	389	----------	230
-	Gage Southwest	----------	30	----------	----------	----------	----------	30
3	Gas City	17	4,744	23,781	22,329	----------	----------	6,196
11	Glendive	14	2,230	30,324	26,506	4,367	----------	1,681
26	Goose Lake	33	5,157	50,078	49,542	----------	244	5,449
8	Graben Coulee	21	4,028	5,413	4,244	1,256	----------	3,941
2	Gypsy Basin	2	833	750	----------	834	----------	749
2	Hay Creek	2	508	15,837	15,909	----------	----------	436
6	Hiawatha	7	4,294	10,986	11,351	----------	----------	3,929
1	Hibbard	1	694	310	----------	403	----------	601
1	Injun Creek	1	986	486	----------	716	----------	756
6	Ivanhoe	11	2,200	7,592	7,803	----------	----------	1,989
7	Keg Coulee	22	3,541	12,895	12,348	----------	----------	4,088
2	Keg Coulee North	2	486	860	431	----------	----------	915
1	Kelley	5	910	4,022	4,475	----------	----------	457
88	Kevin Sunburst	416	13,686	31,079	30,865	2,436	26	11,438
8	Laird Creek	10	1,142	6,052	----------	6,440	7	747
2	Leary	2	912	2,093	----------	1,413	15	1,577
1	Little Beaver	28	----------	30,017	30,017	----------	----------	----------
2	Little Beaver East*	13	2,622	18,929	19,649	----------	----------	1,902
2	Lodge Grass	2	813	1,656	----------	1,894	----------	575
3	Lookout Butte (Coral Creek)	34	740	74,182	73,960	----------	492	470
-	Mackay Dome	----------	1,134	----------	----------	----------	----------	1,134
2	Mason Lake	2	699	930	985	----------	----------	644
3	Melstone	5	1,210	1,873	1,355	375	----------	1,353
1	Mineral Bench	1	318	905	652	----------	----------	571
1	Miner's Coulee	1	107	238	----------	238	----------	107
10	Monarch	16	3,980	20,131	20,512	----------	----------	3,599
3	Mosser	3	----------	628	----------	628	----------	----------
6	Outlook	10	6,159	20,032	20,087	----------	----------	6,104
1	Outlook South	1	708	1,666	1,654	----------	----------	720
2	Outlook West	2	1,045	3,710	3,383	----------	----------	1,372
1	Pennel-Lookout Butte	117	1,401	129,735	131,136	----------	----------	----------
4	Pine	118	16,870	293,922	291,202	----------	----------	19,590
1	Pole Creek	1	382	918	----------	772	----------	528
65	Pondera	275	6,247	27,620	27,754	----------	----------	6,113
5	Poplar	64	11,190	60,203	63,150	----------	99	8,144
5	Poplar Northwest	5	2,372	3,943	5,151	----------	----------	1,164
-	Prairie Elk	----------	871	----------	----------	----------	----------	871
4	Ragged Point	12	3,199	6,798	7,558	----------	----------	2,439
2	Rattlesnake Coulee	2	567	943	994	----------	----------	516
2	Reagan	46	599	21,398	21,538	----------	----------	459
1	Red Creek	20	----------	19,558	19,558	----------	----------	----------
1	Red Fox	1	309	4,862	4,919	----------	----------	252
1	Redstone	1	609	4,587	4,727	----------	69	400
1	Repeat	1	348	1,335	----------	1,243	----------	440
4	Reserve	5	----------	19,437	19,437	----------	----------	----------
-	Richey	----------	778	----------	----------	----------	----------	778
1	Richey Southwest	6	1,252	3,406	3,757	----------	----------	901
1	Rush Mountain	1	534	3,754	3,882	----------	----------	406
6	Sand Creek	8	1,972	7,237	5,982	----------	----------	3,227
1	Shotgun Creek	1	298	780	----------	832	----------	246
-	Sidney	----------	880	----------	----------	----------	----------	880
1	Snyder	4	1,440	990	----------	1,457	----------	973
6	Soap Creek	17	3,864	4,772	----------	4,934	----------	3,702
1	Spring Lake	2	2,405	3,581	----------	4,251	----------	1,735
1	Stensvad	12	2,166	10,009	9,952	----------	----------	2,223
12	Sumatra	68	9,396	43,411	45,137	----------	720	6,950
6	Tule Creek	6	3,265	36,920	----------	37,774	----------	2,411
2	Tule Creek East	2	1,161	9,580	----------	10,110	----------	631
2	Tule Creek South	3	989	6,119	----------	5,954	----------	1,154
2	Vida	2	711	1,039	1,114	----------	----------	636
3	Volt	4	3,070	14,094	14,966	----------	----------	2,198
2	Weed Creek	3	452	6,745	6,666	----------	7	524
4	Weldon	12	1,510	35,870	36,120	----------	----------	1,260
1	West Butte	1	----------	3,867	----------	3,867	----------	----------
14	Whitlash	42	8,043	12,719	13,306	----------	98	7,358
1	Whitlash West	1	754	271	414	----------	----------	611
2	Wills Creek South	2	----------	3,266	3,266	----------	----------	----------
6	Wolf Springs	9	3,297	5,037	5,146	----------	----------	3,188
2	Woodrow	2	307	2,572	2,790	----------	----------	89
5	Wright Creek	5	----------	19,849	18,113	----------	----------	1,736
1	Wildcat, Blaine Cnty	1	132	273	----------	----------	----------	405
-	Wildcat, Carbon Cnty	----------	723	----------	----------	----------	----------	723
1	Wildcat, Fallon Cnty	1	769	2,236	----------	2,257	----------	748
3	Wildcat, Glacier Cnty	7	897	2,400	1,522	----------	1	1,774
1	Wildcat, Liberty Cnty	1	207	100	----------	----------	----------	307
5	Wildcat, Powder River Cnty	5	198	10,056	----------	10,056	----------	198
4	Wildcat, Richland Cnty	4	1,704	27,672	----------	27,143	----------	2,233
4	Wildcat, Roosevelt Cnty	4	1,656	16,510	----------	15,709	----------	2,457
2	Wildcat, Sheridan Cnty	2	1,516	4,071	2,838	----------	----------	2,749
-	Wildcat, Stillwater Cnty	----------	65	----------	----------	----------	----------	65
1	Wildcat, Toole Cnty	1	----------	611	611	----------	----------	----------
1	Wildcat, Wibaux Cnty	1	85	864	----------	819	----------	130
786	Total	3,331	361,936	3,507,873	3,289,579	225,992	3,028	351,210

Total Oil Produced & Shipped From Leases	Bbls. Produced	Daily Average	Bbls Shipped	Daily Average
Year, 1968	48,460,579	132,406	48,370,779	132,161
First Quarter, 1969	11,151,766	123,908	11,176,241	124,180
Second Quarter, 1969	11,081,285	121,772	11,072,056	121,671
Third Quarter, 1969	11,137,765	121,063	11,165,220	121,361
October, 1969	3,620,013	116,775	3,583,665	115,602
November, 1969	3,455,410	115,180	3,487,586	116,253
December, 1969	3,507,873	113,157	3,515,571	113,405

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage‡	Total oil In Storage‡
December, 1968	448,662	1,346,295	813,963	2,608,920
March, 1969	411,717	1,346,785	981,174	2,739,676
June, 1969	406,318	1,460,308	1,100,279	2,966,905
September, 1969	363,305	1,162,652	488,551	2,014,508
October, 1969	396,953	1,208,041	577,980	2,182,974
November, 1969	361,936	1,202,364	690,284	2,254,584
December, 1969	351,210	1,237,355	731,177	2,319,742

*Montana Oil Only
‡Includes Wyoming Oil

TRANSPORTERS REPORT—MONTH OF DECEMBER, 1969

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,609				2,609		
BEAR'S DEN—Truck			1,817				1,817		
BELL CREEK—Pipelines		931,767					495,577	436,190	
BIG WALL—									
Continental Pipeline Co.		12,885				12,885			
BLACKFOOT—									
Camerland Cardinal Corp.		2,583						2,588	
BORDER—Truck			1,068					1,068	
BOWES—Texaco Inc.		12,409				12,409			
BRORSON-MADISON—Pipelines		6,075						6,075	
BRORSON-RED RIVER & BRORSON-RED RIVER SOUTH—									
Rock Island Oil & Ref. Co.			66,713				66,713		
CABIN CREEK & OTHERS*									
Butte Pipeline Co.	406,896	800,059	7,800	988,781			1,874,321		329,215
Shell Pipeline Co.	3,504	263,868			248			263,895	3,229
	410,400	1,063,927	7,800	988,781	248		1,874,321	263,895	332,444
CAT CREEK—									
Continental Pipeline Co.		16,319				16,319			
Truck			1,284			1,284			
		16,319	1,284			17,603			
CLARK'S FORK—Truck			134				134		
CLARK'S FORK SOUTH—Truck			1,200				1,200		
COW CREEK—									
Western Crude Oil, Inc.		1,075					1,075		
CUT BANK—									
Continental Pipeline Co.			15,071	390,107				405,178	
Phillips Petroleum Co.	58,858	75,858		40,239	112	115,113			59,730
Texas Pipeline Co.	18,531	87,119		31,857	508			114,469	22,530
Union Oil Co.	56,934	87,522		38,804	1,357	95,417			86,486
Western Oil Trans. Co.		37,474						37,474	
Western Oil Trans. (Moulton)		95,715						95,715	
	134,323	383,688	15,071	501,007	1,977	210,530		652,836	168,746
DELPHIA—Truck			410			410			
DWYER—Portal Pipeline Co.		18,939					18,939		
ELK BASIN & ELK BASIN NORTHWEST—									
Marathon Pipeline Co.		208,698				208,698			
FAIRVIEW—Fairview Pipeline Co.		53,927					53,927		
FLAT COULEE—									
Camerland Cardinal Corp.		11,752				8,050		3,702	
FLAT LAKE & FLAT LAKE SOUTH—									
Portal Pipeline Co.		65,478					65,478		
FRED & GEORGE CREEK—									
Camerland Cardinal Corp.	4,991	42,705				39,384			8,312
GAGE & GAGE SOUTHWEST—									
Truck			389			389			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	8,341	31,710			956			27,723	11,372
GOOSE LAKE—									
Portal Pipeline Co.		45,991					45,991		
HAY CREEK—									
Fairview Pipeline Co.		15,909					15,909		
HIAWATHA—									
Continental Pipeline Co.		11,351					11,351		
HIBBARD—Truck			403			403			
INJUN CREEK—Permian Corp.			716				716		
IVANHOE—									
Continental Pipeline Co.		8,341				8,341			
KEG COULEE & KEG COULEE NORTH—									
Continental Pipeline Co.		10,668				10,668			
KELLEY—									
Continental Pipeline Co.		4,475				4,475			
KEVIN SUNBURST—									
Big West Oil Co.	2,828	19,504				16,617			5,715
Homestake Oil & Gas Co.	3,509	2,655			373	457			5,334
Texas Pipeline Co.	7,139	12,807			262			12,700	6,984
	13,476	34,966			635	17,074		12,700	18,033
LEARY—Truck			1,413				1,413		
LODGE GRASS—Truck			1,894			1,894			
MASON LAKE—									
Continental Pipeline Co.		985				985			
MELSTONE—Truck			375					375	
Continental Pipeline Co.		1,355				1,355			
		1,355	375			1,355		375	
MOSSER—Truck			628				628		
OUTLOOK, OUTLOOK SOUTH & OUTLOOK WEST—									
Portal Pipeline Co.		25,124					25,124		
POLE CREEK—Truck			772				772		
PONDERA—Phillips Petr. Co.	45,901	29,318			2,095	36,293			36,831
POPLAR, BENRUD, BENRUD EAST, RED FOX, REDSTONE, RICHEY, TULE CREEK, TULE CREEK SOUTH & VOLT—									
East Poplar Gathering System	11,569	122,129			(87)			117,393‡	16,392
RAGGED POINT—									
Continental Pipeline Co.		7,872				7,872			
RED CREEK—									
Western Oil Transportation Co.		22,747						22,747	
RESERVE—Portal Pipeline Co.		17,632					17,632		
RUSH MOUNTAIN—									
Sinclair Refining Co.		3,882					3,882		
SHOTGUN CREEK—Truck			832				832		
SNYDER—Truck			1,457			1,457			
SOAP CREEK—Truck			4,934				4,934		
SPRING LAKE—									
Rock Island Oil & Ref. Co.			4,251				4,251		
SUMATRA & STENSVAD—									
Continental Pipeline Co.	565,961	57,915		1,425,347	(1,981)	41,386		1,368,669	641,149
TULE CREEK—									
Tesero Petr. Corp.	7,402		53,838			57,164			4,076
WEED CREEK—									
Continental Pipeline Co.		6,666				6,666			
WHITLASH & WHITLASH WEST—									
Camerland Cardinal Corp.		14,948				12,348		2,600	
WOLF SPRINGS—									
Continental Pipeline Co.		5,146				5,146			
WILDCAT WELLS—Truck			55,984				55,984		
TOTALS	1,202,364	3,311,362	225,992	2,915,135	3,843	723,885	2,771,209	2,918,561	1,237,355

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest, Weldon and Wills Creek South.

‡Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF DECEMBER, 1969

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Tesoro Petr. Corp.	Union Oil Co.	Total
Big Wall		12,885								12,885
Bowes			13,006							13,006
Cat Creek		3,240		21,975		2				25,217
Cut Bank	28,029						107,262		80,035	215,326
Elk Basin		78,027		53,334	77,337					208,698
Flat Coulee									8,050	8,050
Fred & George Creek	39,384									39,384
Ivanhoe		8,340								8,340
Keg Coulee		5,415		5,253						10,668
Kelley					4,475					4,475
Kevin Sunburst	17,074									17,074
Lodge Grass		1,894								1,894
Mason Lake		985								985
Melstone				1,355						1,355
Pondera							32,022			32,022
Ragged Point				7,872						7,872
Snyder		1,457								1,457
Sumatra & Stensvad		15,714		24,518	1,150					41,382
Tule Creek								72,058		72,058
Weed Creek					6,666					6,666
Whitlash							12,348			12,348
Wolf Springs					5,146					5,146
Total Montana Oil	84,487	127,957	13,006	114,307	94,774	2	151,632	72,058	88,085	746,308
Canadian Oil Imported		375,024			47,140					422,164
Wyoming Oil Imported		672,459		689,863	1,057,195					2,419,517
Total Montana, Canadian, and Wyoming Oil	84,487	1,175,440	13,006	804,170	1,199,109	2	151,632	72,058	88,085	3,587,989

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1968	26,482	21,007	64,842	112,331
December, 1968	26,292	11,141	76,282	113,715
December, 1969	24,074	13,618	78,049	115,741

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
23.57%	18.70%	57.73%
23.12%	9.80%	67.08%
20.80%	11.77%	67.43%